Pilot study reliability analyses

The Cronbach’s alpha for the constructs were as follows, general anxiety disorder 0.79, precipitating factors of general anxiety disorder 0.75 and community-based interventions 0.71. The results of reliability thus attained the threshold of 0.7 for acceptable reliability for Likert scale type data. The split half reliabilities tested the internal consistency of the tools within the questionnaire. The results of internal consistency were as follows 0.8 for generalized anxiety disorder, 0.75 for precipitating factors of generalized anxiety disorder and 0.71 for community-based interventions. Detailed results are documented below.

Anxiety Disorder Reliability analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Anxiety Disorder Statements | Factor Loadings | h2 | u2 | com |
| GAD1 | 0.65 | 0.42 | 0.58 | 1 |
| GAD2 | 0.61 | 0.38 | 0.62 | 1 |
| GAD3 | 0.73 | 0.53 | 0.47 | 1 |
| GAD4 | 0.63 | 0.39 | 0.61 | 1 |
| GAD5 | 0.51 | 0.26 | 0.74 | 1 |
| GAD6 | 0.58 | 0.34 | 0.66 | 1 |
| GAD7 | 0.4 | 0.16 | 0.84 | 1 |

The table above showed the factor loadings to overall construct of anxiety disorder. The factor loadings for each statement ranged between 0.73 and 0.4.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p | Raw alpha | Std alpha | G6(smc) | Average r | S/N | alpha se | var.r | med.r |
| GAD1 | 0.75 | 0.75 | 0.76 | 0.34 | 3.1 | 0.03 | 0.017 | 0.36 |
| GAD2 | 0.76 | 0.76 | 0.76 | 0.35 | 3.2 | 0.029 | 0.018 | 0.36 |
| GAD3 | 0.74 | 0.74 | 0.75 | 0.32 | 2.9 | 0.031 | 0.018 | 0.3 |
| GAD4 | 0.75 | 0.75 | 0.76 | 0.33 | 3 | 0.031 | 0.028 | 0.29 |
| GAD5 | 0.76 | 0.77 | 0.77 | 0.35 | 3.3 | 0.028 | 0.025 | 0.33 |
| GAD6 | 0.76 | 0.76 | 0.77 | 0.34 | 3.1 | 0.03 | 0.029 | 0.3 |
| GAD7 | 0.78 | 0.79 | 0.79 | 0.38 | 3.7 | 0.026 | 0.021 | 0.37 |

The table above illustrates the Cronbach’s alpha for reliability of the anxiety disorder construct. The raw alpha illustrated the alpha value when the item is included while the standardized alpha depicted the alpha value if the item was item.

Precipitating factors

|  |  |  |  |
| --- | --- | --- | --- |
| Statement | Factor Loadings | h2 | u2 |
| Uncertainty | 0.66 | 0.4386 | 0.56 |
| Homesickness | 0.48 | 0.2347 | 0.77 |
| Lacking basic needs | 0.52 | 0.2727 | 0.73 |
| Relationships lack | 0.22 | 0.0464 | 0.95 |
| immigration issues | 0.7 | 0.4916 | 0.51 |
| improper documentation | 0.39 | 0.1486 | 0.85 |
| insecurity | 0.33 | 0.1069 | 0.89 |
| residence lack | 0.67 | 0.4497 | 0.55 |
| discrimination | -0.08 | 0.0058 | 0.99 |
| Language barrier | 0.15 | 0.0214 | 0.98 |
| Lack refugee solutions | 0.72 | 0.5254 | 0.47 |
| no income | 0.62 | 0.3863 | 0.61 |

The table above illustrates the factor loadings of each item to the whole construct of precipitating factors of general anxiety disorders. The factors loading ranged between 0.7 and -0.08. The decision would be to drop any item with a factor loading of less than 4.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Statement | raw\_alpha | std.alpha | G6(smc) | average\_r | S/N | alpha se | var.r |
| Uncertainty | 0.72 | 0.71 | 0.77 | 0.18 | 2.5 | 0.031 | 0.037 |
| Homesickness | 0.73 | 0.73 | 0.79 | 0.2 | 2.7 | 0.029 | 0.041 |
| Lacking basic needs | 0.73 | 0.73 | 0.78 | 0.2 | 2.7 | 0.029 | 0.038 |
| Relationships lack | 0.76 | 0.76 | 0.81 | 0.22 | 3.2 | 0.026 | 0.04 |
| immigration issues | 0.71 | 0.71 | 0.77 | 0.18 | 2.4 | 0.032 | 0.035 |
| improper documentation | 0.75 | 0.74 | 0.8 | 0.21 | 2.9 | 0.027 | 0.04 |
| insecurity | 0.75 | 0.75 | 0.8 | 0.21 | 3 | 0.027 | 0.037 |
| residence lack | 0.72 | 0.72 | 0.77 | 0.19 | 2.5 | 0.031 | 0.036 |
| discrimination- | 0.78 | 0.78 | 0.82 | 0.25 | 3.6 | 0.025 | 0.026 |
| Language barrier | 0.77 | 0.77 | 0.81 | 0.23 | 3.4 | 0.026 | 0.034 |
| Lack refugee solutions | 0.72 | 0.71 | 0.77 | 0.18 | 2.5 | 0.031 | 0.033 |
| no income | 0.73 | 0.72 | 0.78 | 0.19 | 2.6 | 0.03 |  |

The table above reports the Cronbach’s Alpha value for the precipitating factors of general anxiety disorder construct. The raw alpha represented the alpha when the item is included while the standardized alpha refers to the alpha value when the item is dropped.

Community Based interventions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Statement | Factor loadings | h2 | u2 | com |
| Individual counselling | 0.61 | 0.373 | 0.63 | 1 |
| Group counselling | 0.41 | 0.168 | 0.83 | 1 |
| Psychological trainings | 0.63 | 0.403 | 0.6 | 1 |
| Leader's Guidance | 0.51 | 0.262 | 0.74 | 1 |
| Handicraft tailoring training | 0.34 | 0.113 | 0.89 | 1 |
| Skills talent development | 0.29 | 0.086 | 0.91 | 1 |
| Food basic needs | 0.27 | 0.072 | 0.93 | 1 |
| fees uniforms | 0.42 | 0.177 | 0.82 | 1 |
| Visitor's Social support | 0.37 | 0.138 | 0.86 | 1 |
| job opportunities | 0.57 | 0.321 | 0.68 | 1 |

Community based interventions’ construct was as illustrated in the Table above. The factor loadings refer to the contribution of each item to the overall construct. The factor loadings ranged between 0.6 and 0.3. The decision would be dropping all items with factor loadings below 0.4.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Statement | Raw alpha | Std alpha | G6(smc) | average\_r |
| Individual counselling | 0.66 | 0.67 | 0.72 | 0.18 |
| Group counselling | 0.7 | 0.7 | 0.75 | 0.2 |
| Psychological trainings | 0.66 | 0.67 | 0.72 | 0.18 |
| Leader's Guidance | 0.68 | 0.68 | 0.76 | 0.19 |
| Handicraft tailoring training | 0.7 | 0.7 | 0.77 | 0.21 |
| Skills talent development | 0.71 | 0.7 | 0.77 | 0.21 |
| Food basic needs | 0.7 | 0.71 | 0.75 | 0.21 |
| fees uniforms | 0.69 | 0.69 | 0.76 | 0.2 |
| Visitor's Social support | 0.68 | 0.69 | 0.74 | 0.2 |
| job opportunities | 0.66 | 0.66 | 0.74 | 0.18 |

The table above shows the Cronbach’s alpha before an item is dropped and after it is dropped.